comprising a low melting point resin and a high melting point resin, the difference in a melting point of both the resins being 10°C or more.

4. (Amended) The filter cartridge as described in claim 1, wherein the continuous fiber non-woven fabric is bonded by thermal compression by means of a heat embossing roll.

5. (Amended) The filter cartridge as described in claim 2, wherein the fiber intersections of the continuous fiber non-woven fabric are bonded by hot blast.

6. (Amended) The filter cartridge as described in claim 1, wherein the strip, continuous fiber non-woven fabric is twisted.

7. (Amended) The filter cartridge as described in claim 1, wherein the strip, continuous fiber non-woven fabric is formed into a pleated matter having 4 to 50 pleats and wound around a perforated cylinder in a twill form.

11. (Amended) The filter cartridge as described in claim 1, wherein the continuous fiber non-woven fabric has a slit width of 0.5 cm or more, and a product of the slit width (cm) and the basis weight (g/m^2) is 200 or less.

12. (New) The filter cartridge as described in claim 1, wherein the filter cartridge has a ratio of trapped particle diameter in 0.2 MPa/initial trapped particle diameter being 1 - 1.13 when initial trapped particle diameter is 7.1 to 30 μm.

13. (New) A process for preparing a filter cartridge, wherein a strip, continuous fiber non-woven fabric comprising a thermoplastic fiber, prepared by a spun bonding method in which at least a part of the fiber intersections is thermally adhered, is converged, and then wound around a perforated cylinder in a twill form.

14. (New) A process for preparing a filter cartridge, wherein a strip, continuous fiber non-woven fabric comprising a thermoplastic fiber, prepared by a spun bonding method in which at least a part of the fiber intersections is thermally adhered, is pre-molded by means of a pleat-forming guide to be processed into a pleated matter, and then wound around a perforated cylinder in a twill form.

15. (New) A process for preparing a filter cartridge as described in claim 14, wherein the non-woven fabric is converged in such manner that the cross-sectional form of the pleated matter produced through the guide shows no parallel pleats.